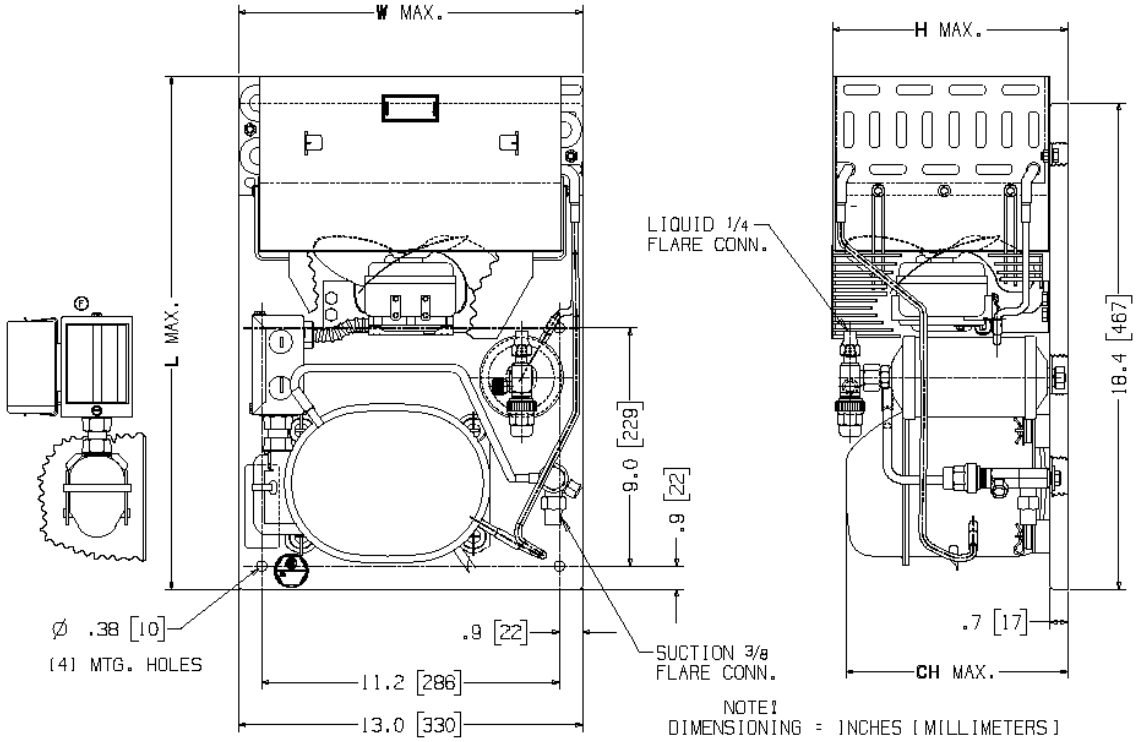
Tecumseh Products Company
Hermetic Condensing Units

Model: AEA9422ZXAXC **R-404a** **¼ HP** **AIR COOLED**



Model	Dimensions, inches				Line Connection*		Pump down	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AEA9422ZXAXC	19.5	13.0	8.9	8.5	3/8" Flare	¼ Flare	2.6 Lbs	210	10	48

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

60 Hz Performance

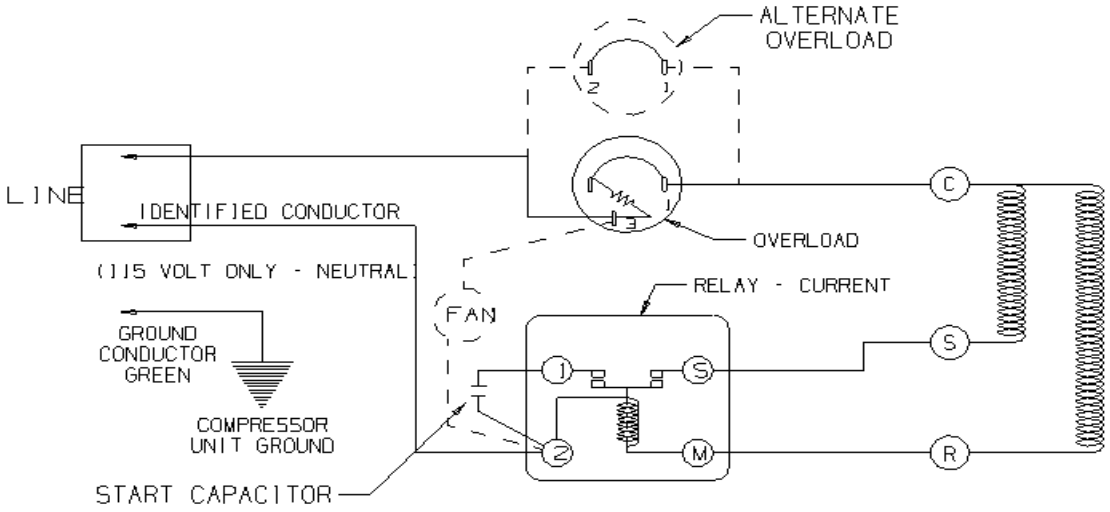
		Ambient Temperatures								
Evaporator		90°F			100°F			110°F		
T, °F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-10	24.0	1240	415	260	1070	420	295	920	425	335
-5	28.3	1380	440	270	1200	445	305	1020	450	340
0	33.0	1540	460	280	1330	470	315	1140	480	350
5	38.1	1700	490	290	1470	505	325	1260	520	360
10	43.6	1860	525	300	1610	540	335	1380	555	370
15	49.5	2030	560	310	1750	575	345	1510	590	385
20	55.8	2200	590	320	1900	610	360	1640	625	395
25	62.6	2380	630	335	2060	645	370	1770	665	405
30	69.9	2570	665	345	2220	685	385	-	-	-
35	77.6	2770	705	360	2380	725	395	-	-	-
40	86.0	2980	740	375	-	-	-	-	-	-
45	94.8	3220	780	390	-	-	-	-	-	-

Return gas temp. 20°F superheat above 20°F Evap., 40°F below 20°F Evap.

5°F sub cooling

Specifications:

Model	AEA9422ZXAXC		Model	AEA9422ZXAXC
Nominal Volts-Hz-Ph	115/60/1; 100/50/1		Condenser	50823
Unit Bill of Material	2C482-1		Receiver	51080
Voltage Range	103.5 to 126.5		Liquid Valve -Receiver	31584-1
Min. Circuit Ampacity	8.8		Rotolock Valve Gasket	30334
Max. Fuse Size (amps)	15		Suction Valve	56533-4
Compressor Model	AEA9422ZXA		Rotolock Valve Gasket	N/A
Comp. Bill of Material	AE590AT-900-P2		Fan Shroud	70854
Alt. Comp. Bill of Mat.	----------		Fan Blade	51561-1
Compressor RLA/LRA	6.70 / 40.0 Amps		Fan Guard	70837-2
Overload	8300MRTE59			
Relay	8200EMBJ73			
Alternate Relay	820RR12B79			
Start Capacitor	85PS165A47			
Start Capacitor Rating	270-324 µF/165V			
Run Cap.	N/A			
Run Cap. Rating	N/A			
Fan Motor	810M006B45		Unit Drawing	SU1899-111
Fan RLA	0.46 Amps		Electrical Drawing	DEAE-10
			Design Pressures (L/H)	181 PSIG / 450 PSIG



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CSIR
REF. DWG. MD-472-1

S.E.